

Building Site Development

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Marshall County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
5B: Ackmore-----	50	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	0.19
		Low strength	1.00				
		Shrink-swell	0.50				
		Depth to saturated zone	0.19				
Colo-----	38	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Frost action	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
6: Okoboji-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	1.00				
7: Wiota-----	100	Very limited Frost action	1.00	Not limited		Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
8B: Judson-----	90	Very limited Frost action	1.00	Not limited		Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
8C: Judson-----	95	Very limited Frost action	1.00	Not limited		Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
11B: Colo-----	50	Very limited Depth to saturated zone Frost action	1.00 1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00 1.00
Ely-----	35	Very limited Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	
20C2: Killduff-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Not limited		Not limited	
20D2: Killduff-----	95	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
20D3: Killduff-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
20E2: Killduff-----	95	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
20E3: Killduff-----	100	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
24D2: Shelby-----	90	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Depth to saturated zone	0.63 0.16	Somewhat limited Slope	0.63
24D3: Shelby-----	90	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Depth to saturated zone	0.63 0.16	Somewhat limited Slope	0.63
24E2: Shelby-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
24E3: Shelby-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
24F2: Shelby-----	95	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
41B: Sparta-----	90	Not limited		Very limited cutbanks cave	0.90	Not limited	
41C: Sparta-----	95	Not limited		Very limited cutbanks cave	0.90	Not limited	
41D: Sparta-----	95	Somewhat limited Slope	0.63	Very limited cutbanks cave Slope	0.90 0.63	Somewhat limited Slope	0.63
43: Bremer-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Flooding	1.00 1.00 1.00 1.00 0.40	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
51: Vesser-----	95	Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone	1.00 1.00 1.00 0.50 0.19	Very limited Depth to saturated zone Flooding	1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.19
54: Zook-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Too clayey	1.00 0.60 0.02	Very limited Depth to saturated zone Flooding	1.00 0.60

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
55: Nicollet-----	90	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.73	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
62D2: Storden-----	95	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Frost action	0.50				
63C: Chelsea-----	95	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.28
63E: Chelsea-----	95	Very limited Slope	0.96	Very limited Slope	0.96	Very limited Slope	0.96
				cutbanks cave	0.90	Droughty	0.28
65F: Lindley-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Low strength	1.00				
		Shrink-swell	0.50				
		Frost action	0.50				
65G: Lindley-----	90	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Low strength	1.00				
		Shrink-swell	0.50				
		Frost action	0.50				
88: Nevin-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
93D2: Shelby-----	45	Very limited Low strength Slope	1.00 0.63	Somewhat limited Slope Depth to saturated zone	0.63 0.16	Somewhat limited Slope	0.63
		Shrink-swell Frost action	0.50 0.50				
Adair-----	40	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Slope	0.63
		Low strength	1.00	Slope	0.63	Depth to saturated zone	0.19
		Shrink-swell Slope Depth to saturated zone	1.00 0.63 0.19	Too clayey	0.41		
93E2: Shelby-----	55	Very limited Slope Low strength	1.00 1.00	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
		Shrink-swell Frost action	0.50 0.50				
Adair-----	35	Very limited Frost action Low strength	1.00 1.00	Very limited Slope Depth to saturated zone	1.00 1.00	Very limited Slope Depth to saturated zone	1.00 0.19
		Shrink-swell Slope Depth to saturated zone	1.00 1.00 0.19	Too clayey	0.41		
95: Harps-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
107: Webster-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
118: Garwin-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
119: Muscatine-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	
120: Tama-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
120B: Tama-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
120C: Tama-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
120C2: Tama-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
120D2: Tama-----	100	Very limited Frost action Low strength Slope Shrink-swell	 1.00 1.00 0.63 0.50	Somewhat limited Slope	 0.63	Somewhat limited Slope	 0.63
120E2: Tama-----	100	Very limited Frost action Low strength Slope Shrink-swell	 1.00 1.00 1.00 0.50	Very limited Slope	 1.00	Very limited Slope	 1.00
122: Sperry-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	 1.00	Very limited Depth to saturated zone	 1.00
133: Colo-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	 1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	 1.00 0.60	Very limited Depth to saturated zone Flooding	 1.00 0.60
133+: Colo-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	 1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	 1.00 0.80	Very limited Flooding Depth to saturated zone	 1.00 1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
133B: Colo-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 1.00 0.60
135: Coland-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 1.00 0.60
138B: Clarion-----	85	Somewhat limited Frost action	0.50	Not limited		Not limited	
138C: Clarion-----	95	Somewhat limited Frost action	0.50	Not limited		Not limited	
138C2: Clarion-----	95	Somewhat limited Frost action	0.50	Not limited		Not limited	
138D2: Clarion-----	95	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
138E2: Clarion-----	95	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
150: Hanska-----	90	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
162B: Downs-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
162C: Downs-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
162C2: Downs-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
162D: Downs-----	85	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
162D2: Downs-----	85	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
162E2: Downs-----	90	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
163B: Fayette-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
163C: Fayette-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Not limited		Not limited	
163D: Fayette-----	85	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
163E: Fayette-----	90	Very limited Frost action Low strength Slope Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
163F: Fayette-----	85	Very limited Slope Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
175B: Dickinson-----	95	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
175C: Dickinson-----	95	Somewhat limited Frost action	0.50	Very limited cutbanks cave	0.90	Not limited	
175D2: Dickinson-----	95	Somewhat limited Slope Frost action	0.63 0.50	Very limited cutbanks cave Slope	0.90 0.63	Somewhat limited Slope	0.63
177: Saude-----	90	Not limited		Very limited cutbanks cave	0.90	Not limited	
177C2: Saude-----	95	Not limited		Very limited cutbanks cave	0.90	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
178: Waukee-----	90	Not limited		Very limited cutbanks cave	0.90	Not limited	
179E: Gara-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
179E2: Gara-----	90	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
179F: Gara-----	85	Very limited Slope Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Very limited Slope Depth to saturated zone	1.00 0.16	Very limited Slope	1.00
192D2: Adair-----	90	Very limited Frost action Low strength Shrink-swell Slope Depth to saturated zone	1.00 1.00 1.00 0.63 0.19	Very limited Depth to saturated zone Slope Too clayey	1.00 0.63 0.41	Somewhat limited Slope Depth to saturated zone	0.63 0.19

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
201B: Coland-----	70	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
Terril-----	20	Somewhat limited Frost action Low strength	0.50 0.22	Very limited cutbanks cave Depth to saturated zone	0.90 0.16	Not limited	
220: Nodaway-----	95	Very limited Frost action Flooding Low strength	1.00 1.00 1.00	Somewhat limited Depth to saturated zone Flooding	0.61 0.60	Somewhat limited Flooding	0.60
222D2: Clarinda-----	85	Very limited Frost action Low strength Shrink-swell Slope Depth to saturated zone	1.00 1.00 1.00 0.63 0.19	Very limited Depth to saturated zone Slope Too clayey	1.00 0.63 0.50	Somewhat limited Slope Depth to saturated zone	0.63 0.19
226: Lawler-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone cutbanks cave	0.95 0.90	Not limited	
236C: Lester-----	100	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Not limited		Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
236C2: Lester-----	100	Very limited Low strength Shrink-swell Frost action	 1.00 0.50 0.50	Not limited		Not limited	
236D2: Lester-----	100	Very limited Low strength Slope Shrink-swell Frost action	 1.00 0.63 0.50 0.50	Somewhat limited Slope	 0.63	Somewhat limited Slope	 0.63
236E: Lester-----	100	Very limited Slope Low strength Shrink-swell Frost action	 1.00 1.00 0.50 0.50	Very limited Slope	 1.00	Very limited Slope	 1.00
236F: Lester-----	100	Very limited Slope Low strength Shrink-swell Frost action	 1.00 1.00 0.50 0.50	Very limited Slope	 1.00	Very limited Slope	 1.00
323C: Terril-----	100	Somewhat limited Frost action Low strength	 0.50 0.22	Very limited cutbanks cave Depth to saturated zone	 0.90 0.16	Not limited	
377C: Dinsdale-----	95	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Somewhat limited Depth to saturated zone	 0.16	Not limited	
377C2: Dinsdale-----	95	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Somewhat limited Depth to saturated zone	 0.16	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
377D2: Dinsdale-----	95	Very limited Frost action Low strength Slope Shrink-swell	 1.00 1.00 0.63 0.50	Somewhat limited Slope Depth to saturated zone	 0.63 0.16	Somewhat limited Slope	 0.63
420B: Tama-----	95	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Not limited		Not limited	
420C2: Tama-----	95	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Not limited		Not limited	
428B: Ely-----	95	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Very limited Depth to saturated zone	 0.95	Not limited	
430: Ackmore-----	95	Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone	 1.00 1.00 1.00 0.50 0.19	Very limited Depth to saturated zone Flooding	 1.00 0.80	Very limited Flooding Depth to saturated zone	 1.00 0.19
442B: Dickinson-----	60	Somewhat limited Frost action	 0.50	Very limited cutbanks cave	 0.90	Not limited	
Sparta-----	20	Not limited		Very limited cutbanks cave	 0.90	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Tama-----	13	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Not limited		Not limited	
442C2: Dickinson-----	40	Somewhat limited Frost action Slope	 0.50 0.04	Very limited cutbanks cave Slope	 0.90 0.04	Somewhat limited Slope	 0.04
Sparta-----	35	Somewhat limited Slope	 0.04	Very limited cutbanks cave Slope	 0.90 0.04	Somewhat limited Slope	 0.04
Tama-----	20	Very limited Frost action Low strength Shrink-swell Slope	 1.00 1.00 0.50 0.04	Somewhat limited Slope	 0.04	Somewhat limited Slope	 0.04
442E2: Dickinson-----	55	Very limited Slope Frost action	 1.00 0.50	Very limited Slope cutbanks cave	 1.00 0.90	Very limited Slope	 1.00
Sparta-----	30	Very limited Slope	 1.00	Very limited Slope cutbanks cave	 1.00 0.90	Very limited Slope	 1.00
Tama-----	15	Very limited Frost action Low strength Slope Shrink-swell	 1.00 1.00 1.00 0.50	Very limited Slope	 1.00	Very limited Slope	 1.00
462B: Downs-----	100	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Not limited		Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
484: Lawson-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Flooding	0.60
		Flooding	1.00	Flooding	0.60	Depth to saturated zone	0.19
		Depth to saturated zone	0.19				
485: Spillville-----	95	Very limited Flooding	1.00	Somewhat limited Depth to saturated zone	0.61	Somewhat limited Flooding	0.60
		Low strength Shrink-swell	1.00 0.50	Flooding	0.60		
		Frost action	0.50				
507: Canisteo-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
536: Hanlon-----	95	Very limited Flooding	1.00	Somewhat limited Depth to saturated zone	0.61	Somewhat limited Flooding	0.60
		Frost action	0.50	Flooding	0.60		
595: Harpster-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
683C2: Liscomb-----	95	Somewhat limited Frost action	0.50	Not limited		Not limited	
		Low strength	0.22				

Building Site Development

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Marshall County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
683D: Liscomb-----	90	Somewhat limited Slope Frost action Low strength	0.63 0.50 0.22	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
683D2: Liscomb-----	90	Somewhat limited Slope Frost action Low strength	0.63 0.50 0.22	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
683E: Liscomb-----	95	Very limited Slope Frost action Low strength	1.00 0.50 0.22	Very limited Slope	1.00	Very limited Slope	1.00
683E2: Liscomb-----	95	Very limited Slope Frost action Low strength	1.00 0.50 0.22	Very limited Slope	1.00	Very limited Slope	1.00
688: Koszta-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Not limited	
1133: Colo-----	95	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
1220: Nodaway,channeled---	85	Very limited Frost action Flooding Low strength	1.00 1.00 1.00	Somewhat limited Flooding Depth to saturated zone	0.80 0.61	Very limited Flooding	1.00

Building Site Development

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Marshall County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1485: Spillville-----	90	Very limited Flooding Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Somewhat limited Flooding Depth to saturated zone	0.80 0.61	Very limited Flooding	1.00
1936: Colo-----	50	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
Hanlon-----	25	Very limited Flooding Frost action	1.00 0.50	Somewhat limited Flooding Depth to saturated zone	0.80 0.61	Very limited Flooding	1.00
Lawson-----	15	Very limited Frost action Flooding Depth to saturated zone	1.00 1.00 0.19	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 0.19
4011B: Colo-----	45	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
Ely-----	25	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone	0.95	Not limited	

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Building Site Development

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Marshall County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Urban Land-----	25	Not rated		Not rated		Not rated	
4119: Muscatine-----	50	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
Urban Land-----	45	Not rated		Not rated		Not rated	
4120B: Tama-----	55	Very limited Frost action	1.00	Not limited		Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
Urban Land-----	35	Not rated		Not rated		Not rated	
4120C: Tama-----	60	Very limited Frost action	1.00	Not limited		Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
Urban Land-----	30	Not rated		Not rated		Not rated	
4133: Colo-----	65	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				

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Marshall County, Iowa

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Urban Land-----	30	Not rated		Not rated		Not rated	
5010: Pits, Sand And Gravel-----	100	Not rated		Not rated		Not rated	
5030: Pits, Limestone Quarry-----	100	Not rated		Not rated		Not rated	
W: Water-----	100	Not rated		Not rated		Not rated	